

# Example of site survey for maintenance

## Sketch and text taken on site.

Date : 22/2/07

Surveyor : André Jocteur

Location : locasanam corner

Distance from last culvert :

location on road ( distance to KM 0 on Road # )

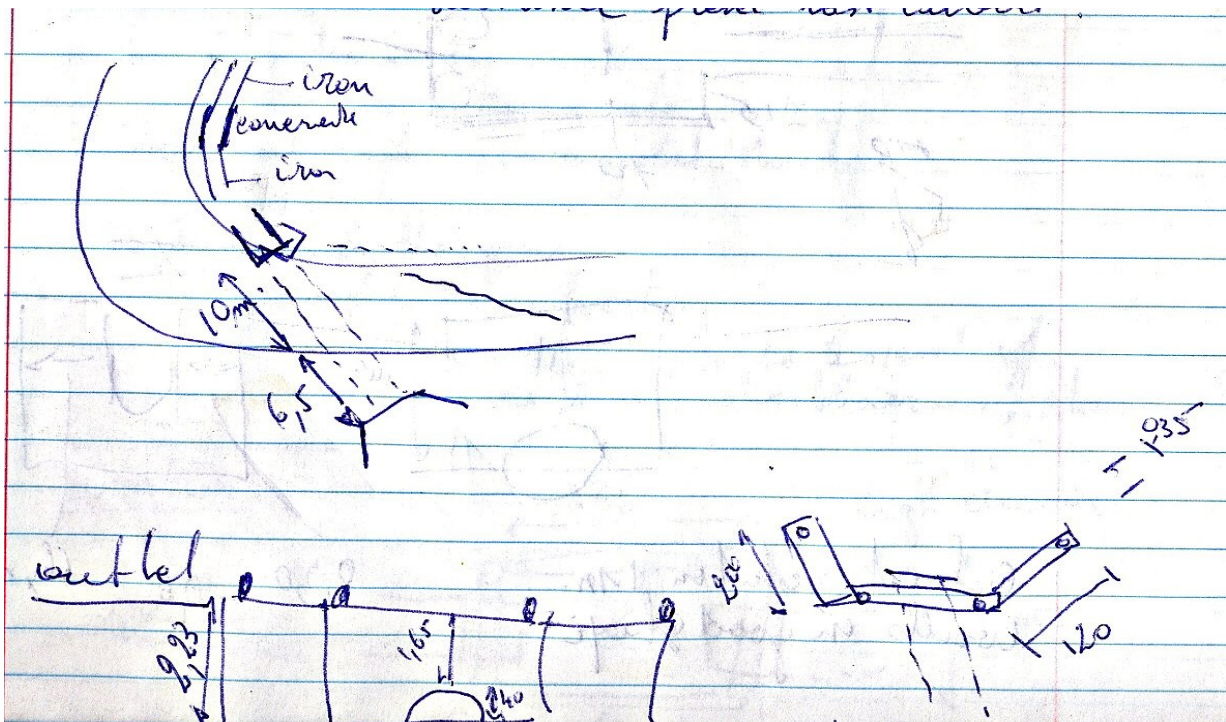


Illustration 1.: sketch drawn on site

### Description

Going down the hill, the left road side is fitted with a iron corrugated culvert halfcircle  $\text{Ø} 600$ . On the bend, the culvert is reinforced with concrete walls.

A concrete inlet forces the water to enter a crossing culvert. Inlet internal dimensions are : 1.4 m long, 1m wide, culvert buried by 1.1m, half filled.

Crossing culvert  $\text{Ø} 600$ , length = 16.5 m

Outlet : U shaped concrete structure. Wing walls : 2 m (left), 1.2 m (right), 2.2 m ( \_ ). Walls height = 2.23 above sediments. Culvert buried with 1.65 m of soil. Gabion basket protected water fall.

Vegetation is covering the inlet and outlet structures. Inlet is fillet with .3 m of sediments, outlet with .2m (estimated)

Gabions structure has not been inspected (will be done after grass cutting)

No need for repairs on concrete.

Down of the inlet, on the left side of the road, the drain (ditch) has to be reopened in order to channel the water to the right place and avoid road erosion.

To do

1. cut the grass : 100 m<sup>2</sup>
2. remove sediments on outlet slab : 4 m<sup>2</sup>, 25 cm thick
3. empty the culvert : 16.5 m
4. back fill retaining wall outlet : estimated volume = 1 truck load
5. re open drain on left side of the road : 35 m

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Back in the office :

- Work out the bill of quantities : check the dimensions and the quantities
- Work out the cost estimate

Head of division or senior foreman roads has to decide, looking of the survey report and comments, whether or not maintenance is urging and in case not, decide to include the works in a future program of works.

When it is decided to go for maintenance works, the survey reports should provide all information to write a contract.